
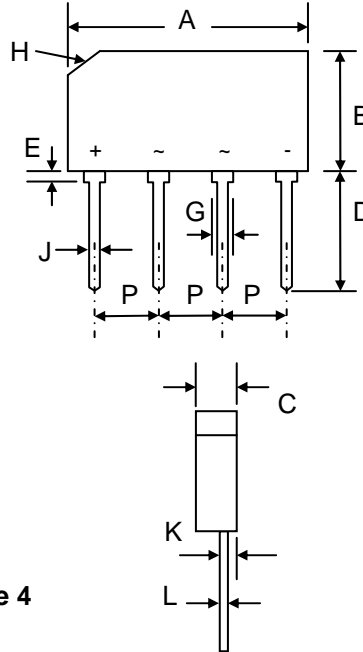


Features

- Glass Passivated Die Construction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
-  Recognized File # E157705



GBL		
Dim	Min	Max
A	20.20	21.20
B	10.00	11.00
C	3.00	4.00
D	17.30	18.40
E	1.50	2.10
G	2.00	2.41
H	3.17 x 45°	
J	0.90	1.20
K	1.27	1.53
L	0.40	0.66
P	4.80	5.30
All Dimensions in mm		

Mechanical Data

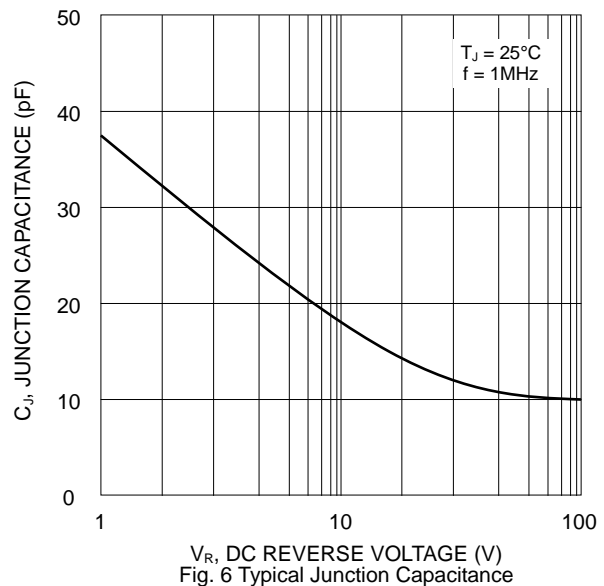
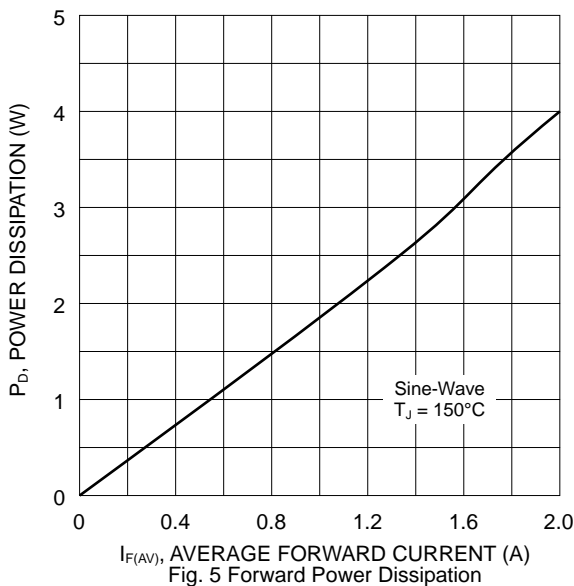
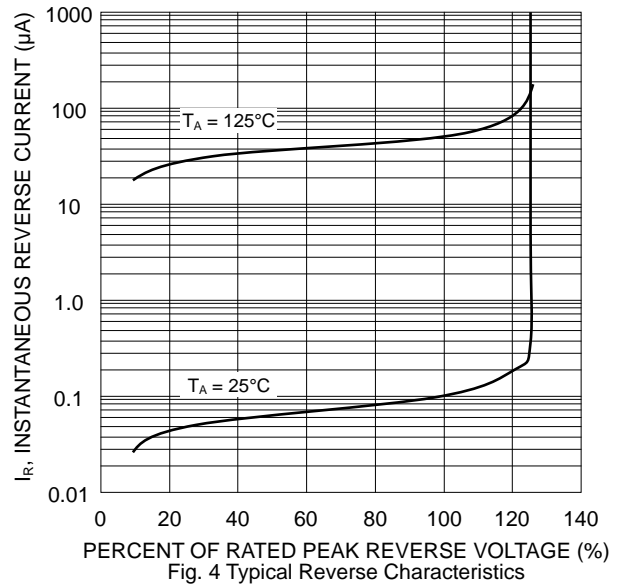
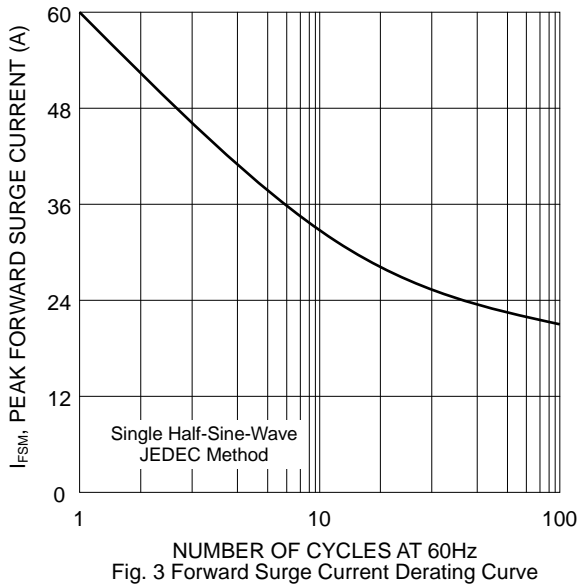
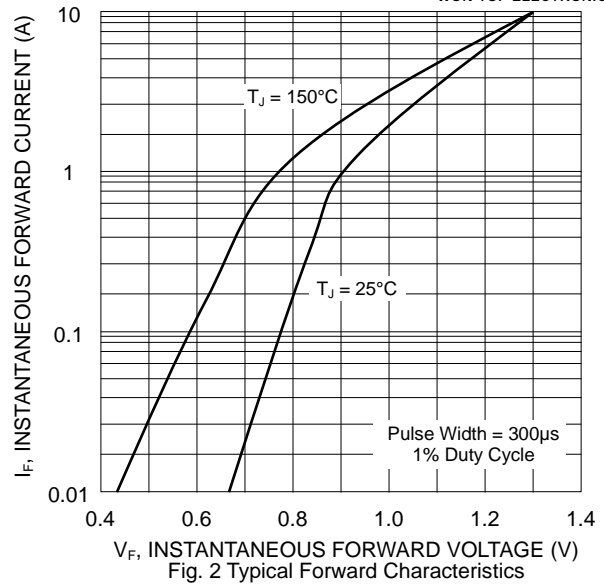
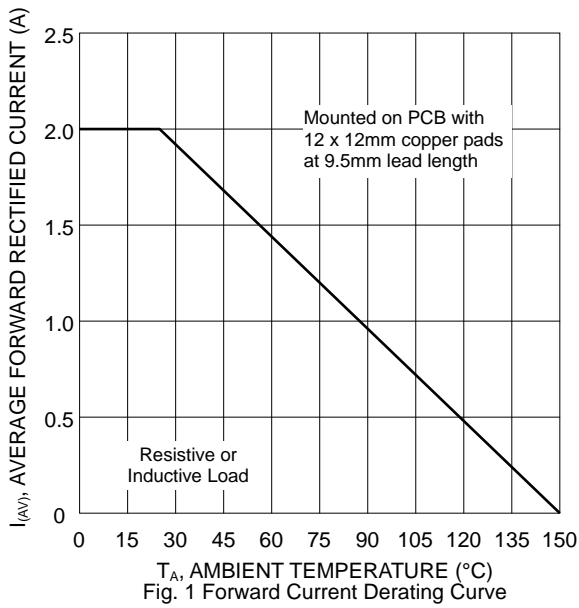
- Case: GBL, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: As Marked on Body
- Weight: 2.0 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- **Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 4**

Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

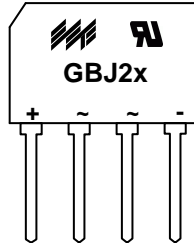
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	GBJ2A	GBJ2B	GBJ2D	GBJ2G	GBJ2J	GBJ2K	GBJ2M	Unit
Peak Repetitive Reverse Voltage	V_{RRM}								V
Working Peak Reverse Voltage	V_{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V_R								V
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	280	420	560	700	V
Average Rectified Output Current @ $T_A = 25^\circ\text{C}$	I_O	2.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	60							A
Forward Voltage per leg @ $I_F = 1.0\text{A}$	V_{FM}	1.05							V
Peak Reverse Current @ $T_A = 25^\circ\text{C}$ At Rated DC Blocking Voltage @ $T_A = 125^\circ\text{C}$	I_{RM}	5.0 300							μA
I^2t Rating for Fusing ($t < 8.3\text{ms}$)	I^2t	15							A^2s
Typical Junction Capacitance (Note 1)	C_J	25							pF
Thermal Resistance Junction to Ambient (Note 2)	R_{JA}	40							$^\circ\text{C}/\text{W}$
Thermal Resistance Junction to Case (Note 2)	R_{JC}	12							$^\circ\text{C}/\text{W}$
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to +150							$^\circ\text{C}$

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.
2. Mounted on PCB with 12 x 12mm copper pads and measured at lead length 9.5mm from case.



MARKING INFORMATION



GBJ2x = Device Number
 x = A, B, D, G, J, K or M
 Polarity = As Marked on Body

PACKAGING INFORMATION

BULK


Tube Size L x W x H (mm)	Quantity (PCS)	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
443 x 31 x 6	20	450 x 136 x 72	800	495 x 245 x 180	2,400	10.0

Note: 1. Anti-static tube, water clear color.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
GBJ2A	SIL Bridge	20 Units/Tube
GBJ2B	SIL Bridge	20 Units/Tube
GBJ2D	SIL Bridge	20 Units/Tube
GBJ2G	SIL Bridge	20 Units/Tube
GBJ2J	SIL Bridge	20 Units/Tube
GBJ2K	SIL Bridge	20 Units/Tube
GBJ2M	SIL Bridge	20 Units/Tube

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
2. **To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, GBJ2A-LF.**

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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